How to Conduct this Class

- Setup
  - AFATDS:
    - IMEF database loaded.
      - The IMEF databases are comprised of 12 separate databases. This class can be should be conducted with all stations setup as any FSCC/FFCC.
        - » This class specifically applies to FSCC and FFCC
      - Implement Plan Volcanic Phase 1, all geometry and guidance and Phase 2, all enemy units and enemy geometry
      - Establish a client user at AFATDS
        - » Name: ffc1imef
        - » Password: ffc1imef

How to Conduct this Class

- AFATDS MIDB
  - Prior to the MIDB portion of the class, send MIDB facilities and units to AFATDS from MIDBSIM program
    - Add MIDBSIM to AFATDS or to the connected SISTIM
    - Ensure a TBMCS device is added to the current comm config
    - Send 1200 facilities and 103 units from a location west of the MEF ZOR

How to Conduct this Class

- Setup
  - SISTIM:
    - IMEF_MODULAR scenario with all nets except the GDU net active
  - Start class on next slide.

C2PC-EMT Target Type Management

ALL MOS'S

Objectives

- Create a new target type.
- Use the new target type
- Use MIDB data

Target Type Worksheet

Click **Fire Support, Worksheets, Target Type…**

Target Type Worksheet - UNCLASSIFIED

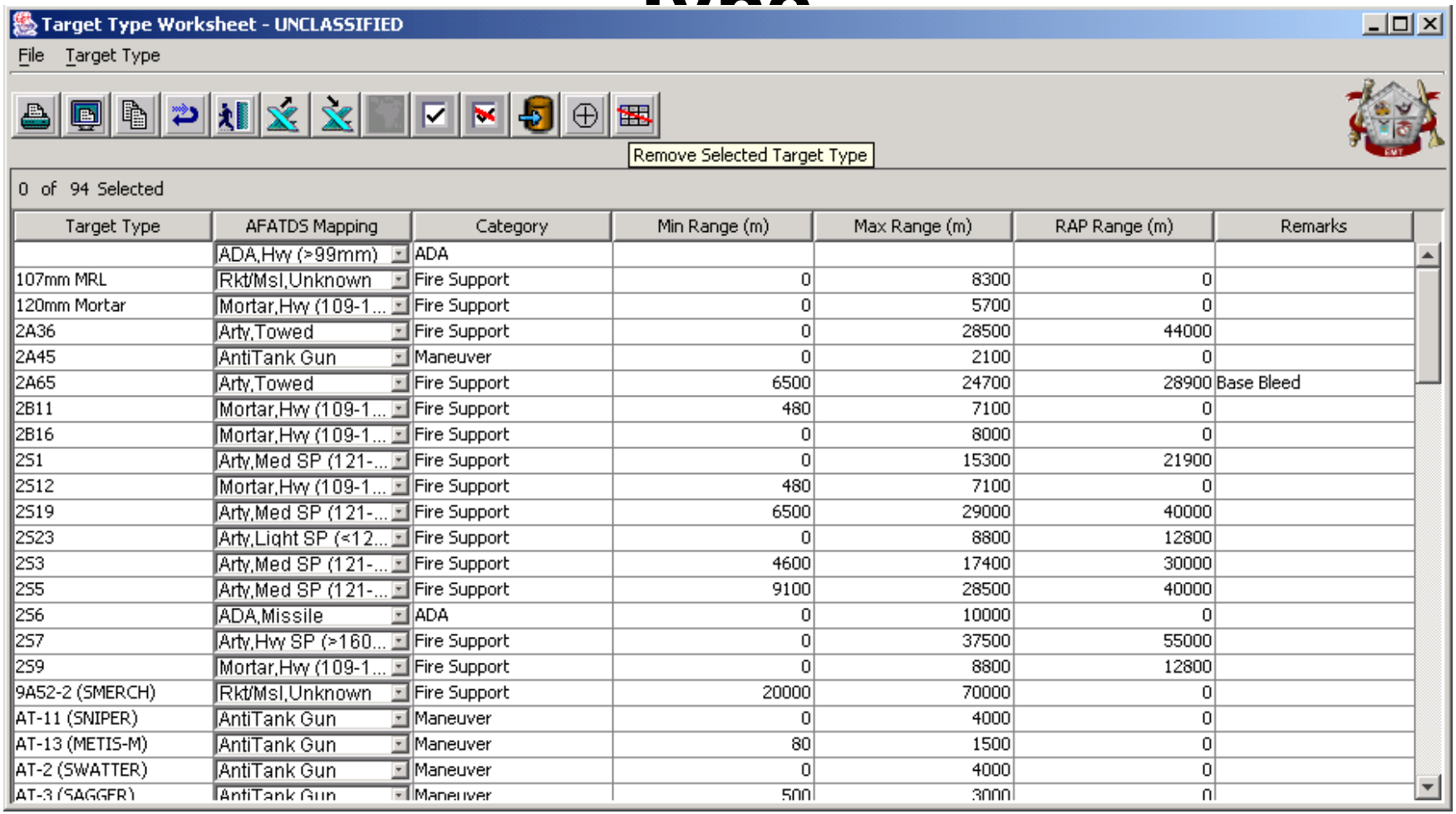
File Target Type

0 of 93 Selected

Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
107mm MRL	Rkt/Msl,Unknown	Fire Support	0	8300	0	
120mm Mortar	Mortar,Hw (109-1...	Fire Support	0	5700	0	
2A36	Arty,Towed	Fire Support	0	28500	44000	
2A45	AntiTank Gun	Maneuver	0	2100	0	
2A65	Arty,Towed	Fire Support	6500	24700	28900	Base Bleed
2B11	Mortar,Hw (109-1...	Fire Support	480	7100	0	
2B16	Mortar,Hw (109-1...	Fire Support	0	8000	0	
2S1	Arty,Med SP (121-...	Fire Support	0	15300	21900	
2S12	Mortar,Hw (109-1...	Fire Support	480	7100	0	
2S19	Arty,Med SP (121-...	Fire Support	6500	29000	40000	
2S23	Arty,Light SP (<12...	Fire Support	0	8800	12800	
2S3	Arty,Med SP (121-...	Fire Support	4600	17400	30000	
2S5	Arty,Med SP (121-...	Fire Support	9100	28500	40000	
2S6	ADA,Missile	ADA	0	10000	0	
2S7	Arty,Hvy SP (>160...	Fire Support	0	37500	55000	
2S9	Mortar,Hw (109-1...	Fire Support	0	8800	12800	
9A52-2 (SMERCH)	Rkt/Msl,Unknown	Fire Support	20000	70000	0	
AT-11 (SNIPER)	AntiTank Gun	Maneuver	0	4000	0	
AT-13 (METIS-M)	AntiTank Gun	Maneuver	80	1500	0	
AT-2 (SWATTER)	AntiTank Gun	Maneuver	0	4000	0	
AT-3 (SAGGER)	AntiTank Gun	Maneuver	500	3000	0	

Importing complete! 1 sheets read

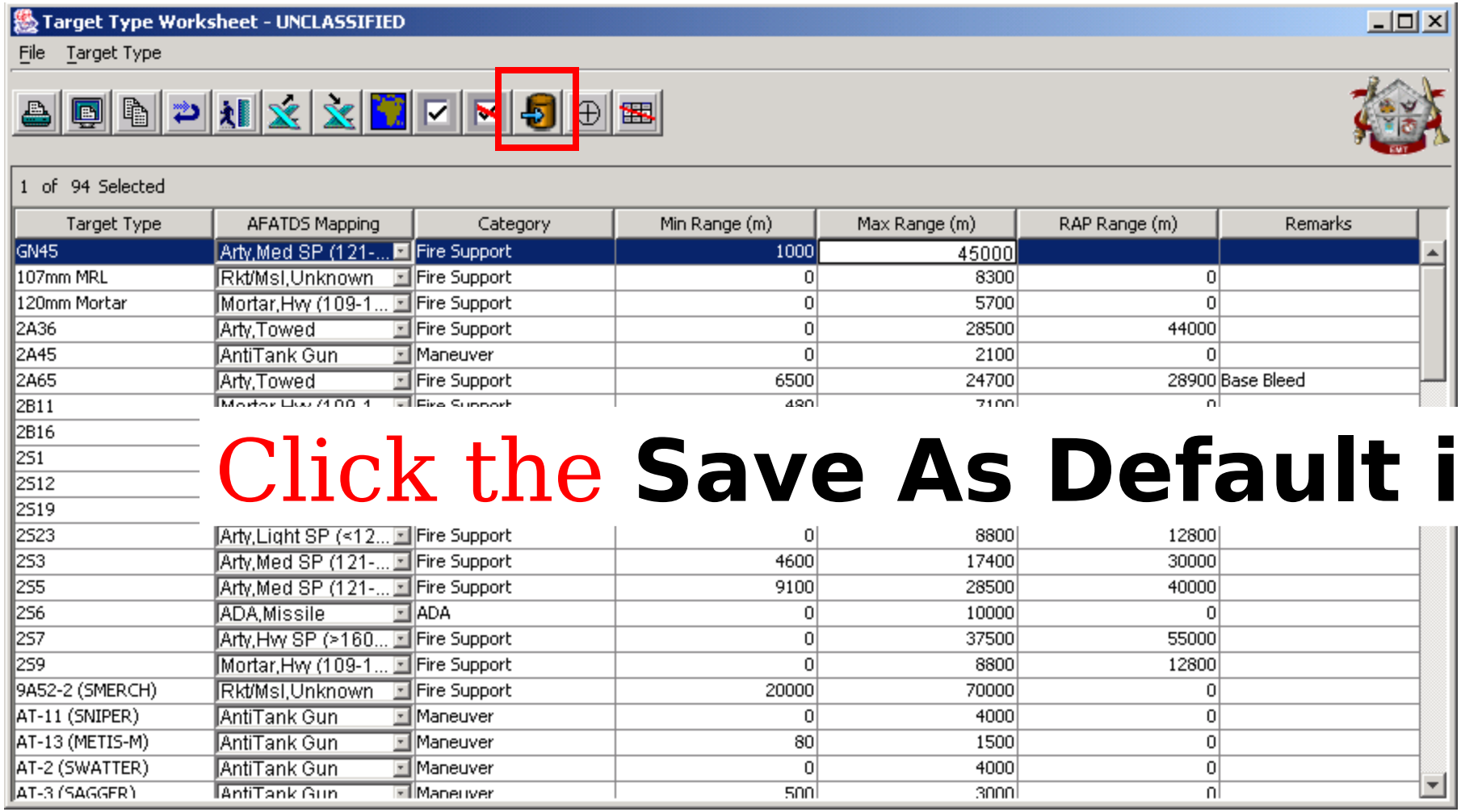
Click **Target, Create New Target Type**



Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
	ADA,Hwy (>99mm)	ADA				
107mm MRL	Rkt/Msl,Unknown	Fire Support	0	8300	0	
120mm Mortar	Mortar,Hwy (109-1...	Fire Support	0	5700	0	
2A36	Arty,Towed	Fire Support	0	28500	44000	
2A45	AntiTank Gun	Maneuver	0	2100	0	
2A65	Arty,Towed	Fire Support	6500	24700	28900	Base Bleed
2B11	Mortar,Hwy (109-1...	Fire Support	480	7100	0	
2B16	Mortar,Hwy (109-1...	Fire Support	0	8000	0	
2S1	Arty,Med SP (121-...	Fire Support	0	15300	21900	
2S12	Mortar,Hwy (109-1...	Fire Support	480	7100	0	
2S19	Arty,Med SP (121-...	Fire Support	6500	29000	40000	
2S23	Arty,Light SP (<12...	Fire Support	0	8800	12800	
2S3	Arty,Med SP (121-...	Fire Support	4600	17400	30000	
2S5	Arty,Med SP (121-...	Fire Support	9100	28500	40000	
2S6	ADA,Missile	ADA	0	10000	0	
2S7	Arty,Hvy SP (>160...	Fire Support	0	37500	55000	
2S9	Mortar,Hwy (109-1...	Fire Support	0	8800	12800	
9A52-2 (SMERCH)	Rkt/Msl,Unknown	Fire Support	20000	70000	0	
AT-11 (SNIPER)	AntiTank Gun	Maneuver	0	4000	0	
AT-13 (METIS-M)	AntiTank Gun	Maneuver	80	1500	0	
AT-2 (SWATTER)	AntiTank Gun	Maneuver	0	4000	0	
AT-3 (SAGGER)	AntiTank Gun	Maneuver	500	3000	0	

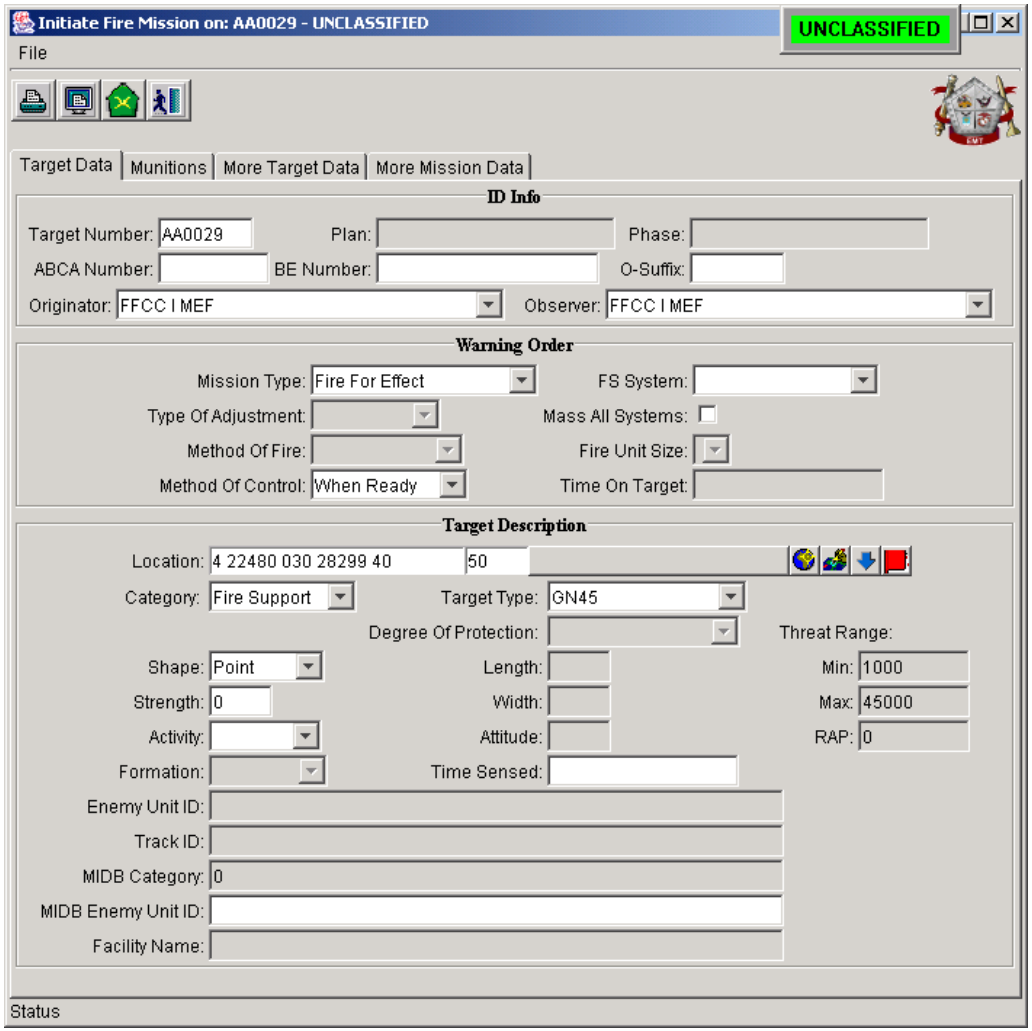
Enter the following…

- Target type: GN45
- AFATDS Mapping: Arty, Med SP
- Min Range: 1000
- Max Range: 45000

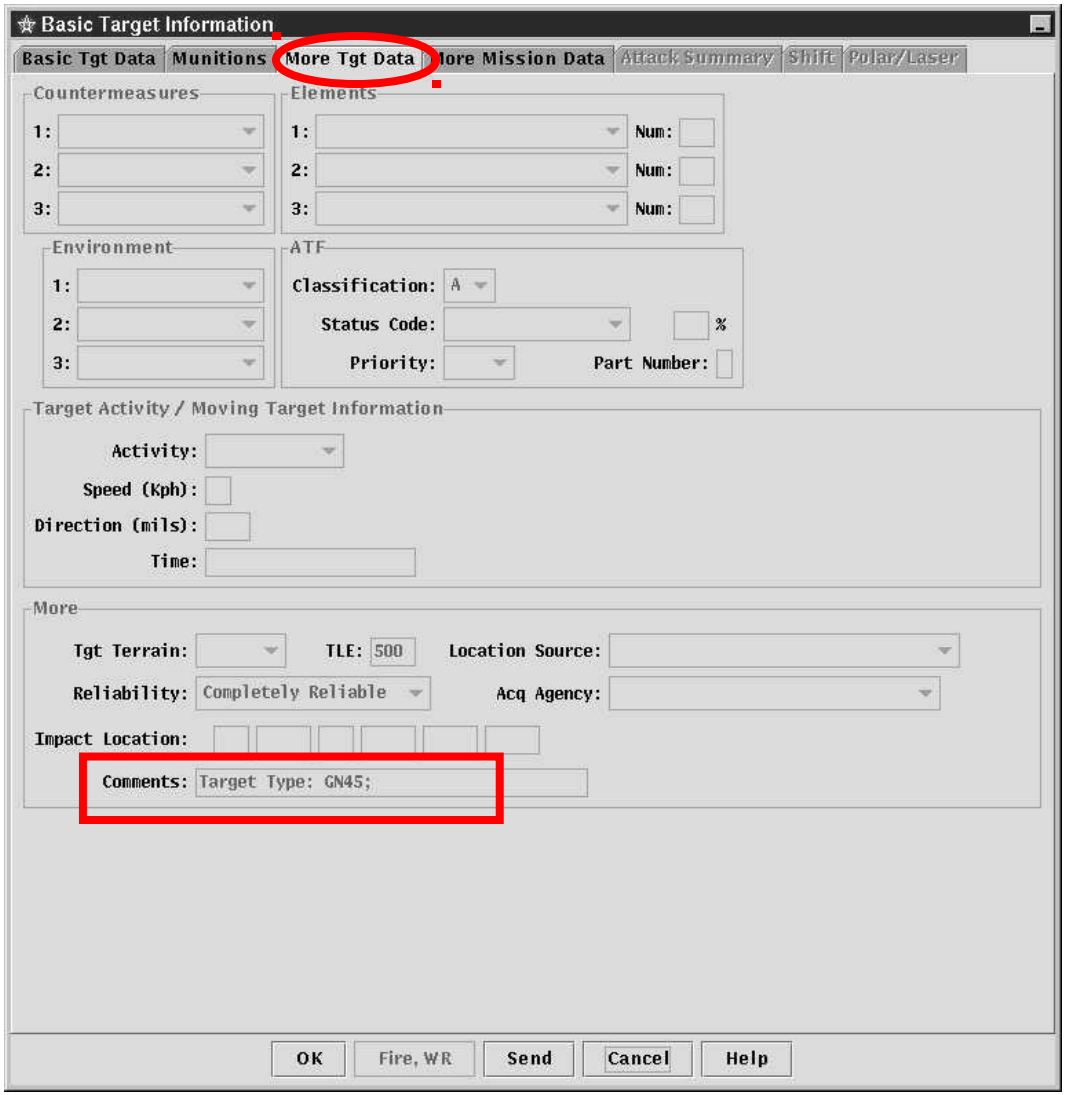

Target Type Worksheet - UNCLASSIFIED
File Target Type
1 of 94 Selected
Target Type | AFATDS Mapping | Category | Min Range (m) | Max Range (m) | RAP Range (m) | Remarks
GN45 | Arty,Med SP (121-... | Fire Support | 1000 | 45000
107mm MRL | Rkt/Msl,Unknown | Fire Support | 0 | 8300 | 0
120mm Mortar | Mortar,Hvy (109-1... | Fire Support | 0 | 5700 | 0
2A36 | Arty,Towed | Fire Support | 0 | 28500 | 44000
2A45 | AntiTank Gun | Maneuver | 0 | 2100 | 0
2A65 | Arty,Towed | Fire Support | 6500 | 24700 | 28900 | Base Bleed
2B11
2B16
2S1
2S12
2S19
2S23 | Arty,Light SP (<12... | Fire Support | 0 | 8800 | 12800
2S3 | Arty,Med SP (121-... | Fire Support | 4600 | 17400 | 30000
2S5 | Arty,Med SP (121-... | Fire Support | 9100 | 28500 | 40000
2S6 | ADA,Missile | ADA | 0 | 10000 | 0
2S7 | Arty,Hvy SP (>160... | Fire Support | 0 | 37500 | 55000
2S9 | Mortar,Hvy (109-1... | Fire Support | 0 | 8800 | 12800
9A52-2 (SMERCH) | Rkt/Msl,Unknown | Fire Support | 20000 | 70000 | 0
AT-11 (SNIPER) | AntiTank Gun | Maneuver | 0 | 4000 | 0
AT-13 (METIS-M) | AntiTank Gun | Maneuver | 80 | 1500 | 0
AT-2 (SWATTER) | AntiTank Gun | Maneuver | 0 | 4000 | 0
AT-3 (SAGGER) | AntiTank Gun | Maneuver | 500 | 3000 | 0

Click the **Save As Default ic**

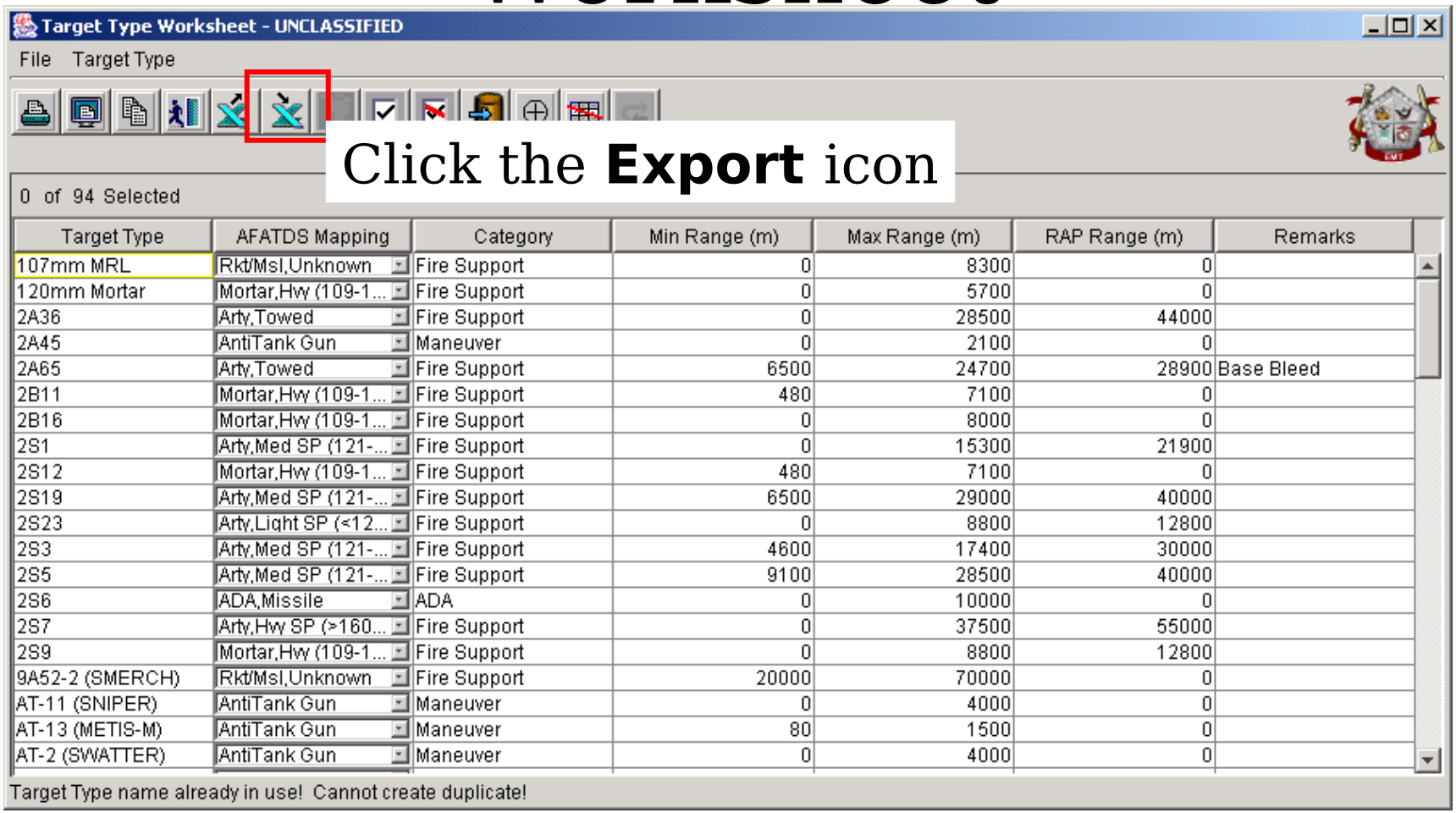
Initiate Fire Mission…



At AFATDS…

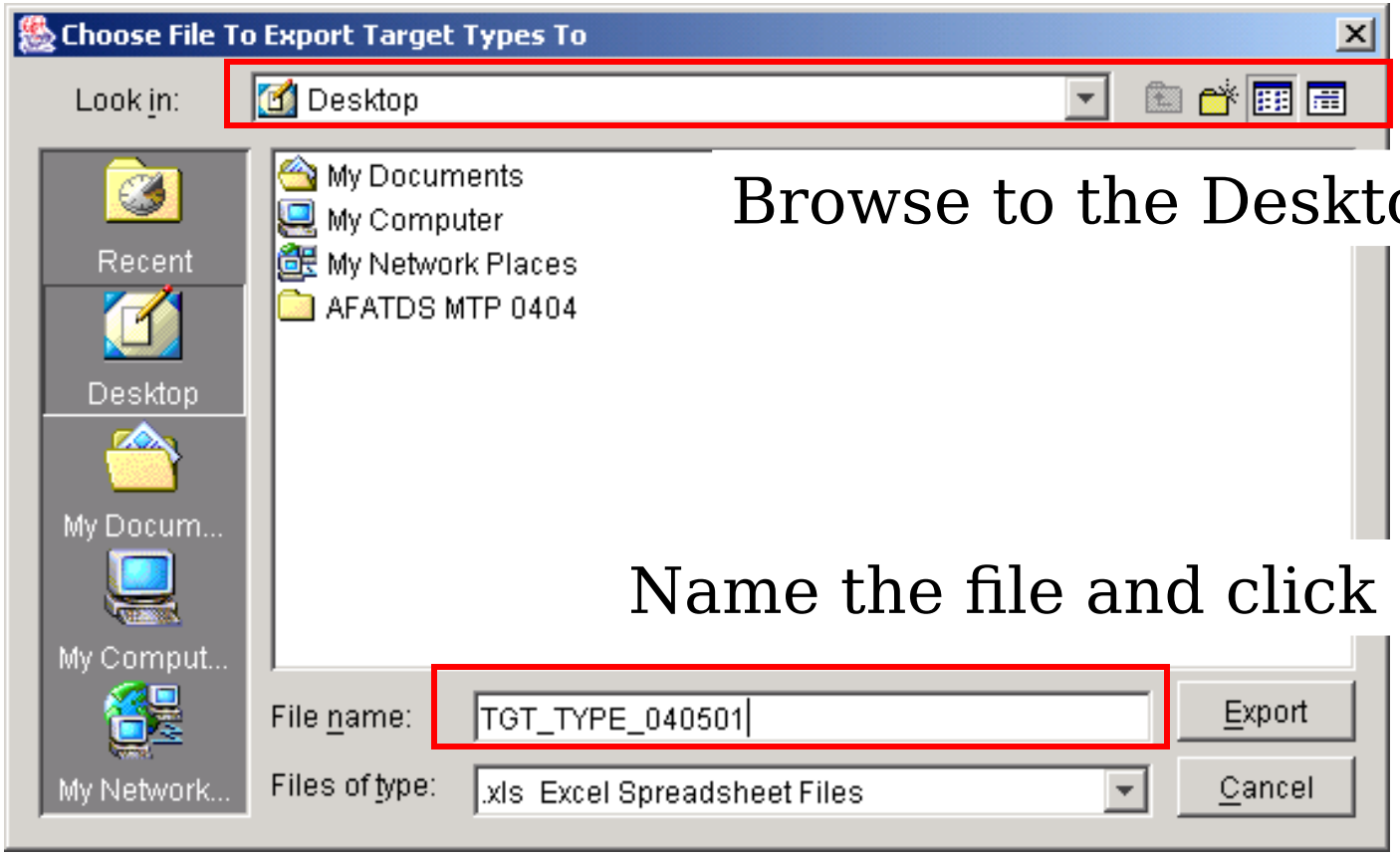

Basic Target Information
Basic Tgt Data
Munitions
More Tgt Data
More Mission Data
Attack Summary
Shift
Polar/Laser
Countermeasures
1:
2:
3:
Elements
1:
Num:
2:
Num:
3:
Num:
Environment
1:
2:
3:
ATF
Classification: A
Status Code:
%
Priority:
Part Number:
Target Activity / Moving Target Information
Activity:
Speed (Kph):
Direction (mils):
Time:
More
Tgt Terrain:
TLE: 500
Location Source:
Reliability: Completely Reliable
Acq Agency:
Impact Location:
Comments: Target Type: GN45;
OK
Fire, WR
Send
Cancel
Help

Export the Target Type Worksheet


Target Type Worksheet - UNCLASSIFIED
File
Target Type
Click the **Export** icon
0 of 94 Selected
Target Type name already in use! Cannot create duplicate!

Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
107mm MRL	Rkt/Msl,Unknown	Fire Support	0	8300	0	
120mm Mortar	Mortar,Hvy (109-1...	Fire Support	0	5700	0	
2A36	Arty,Towed	Fire Support	0	28500	44000	
2A45	AntiTank Gun	Maneuver	0	2100	0	
2A65	Arty,Towed	Fire Support	6500	24700	28900	Base Bleed
2B11	Mortar,Hvy (109-1...	Fire Support	480	7100	0	
2B16	Mortar,Hvy (109-1...	Fire Support	0	8000	0	
2S1	Arty,Med SP (121-...	Fire Support	0	15300	21900	
2S12	Mortar,Hvy (109-1...	Fire Support	480	7100	0	
2S19	Arty,Med SP (121-...	Fire Support	6500	29000	40000	
2S23	Arty,Light SP (<12...	Fire Support	0	8800	12800	
2S3	Arty,Med SP (121-...	Fire Support	4600	17400	30000	
2S5	Arty,Med SP (121-...	Fire Support	9100	28500	40000	
2S6	ADA,Missile	ADA	0	10000	0	
2S7	Arty,Hvy SP (>160...	Fire Support	0	37500	55000	
2S9	Mortar,Hvy (109-1...	Fire Support	0	8800	12800	
9A52-2 (SMERCH)	Rkt/Msl,Unknown	Fire Support	20000	70000	0	
AT-11 (SNIPER)	AntiTank Gun	Maneuver	0	4000	0	
AT-13 (METIS-M)	AntiTank Gun	Maneuver	80	1500	0	
AT-2 (SWATTER)	AntiTank Gun	Maneuver	0	4000	0	

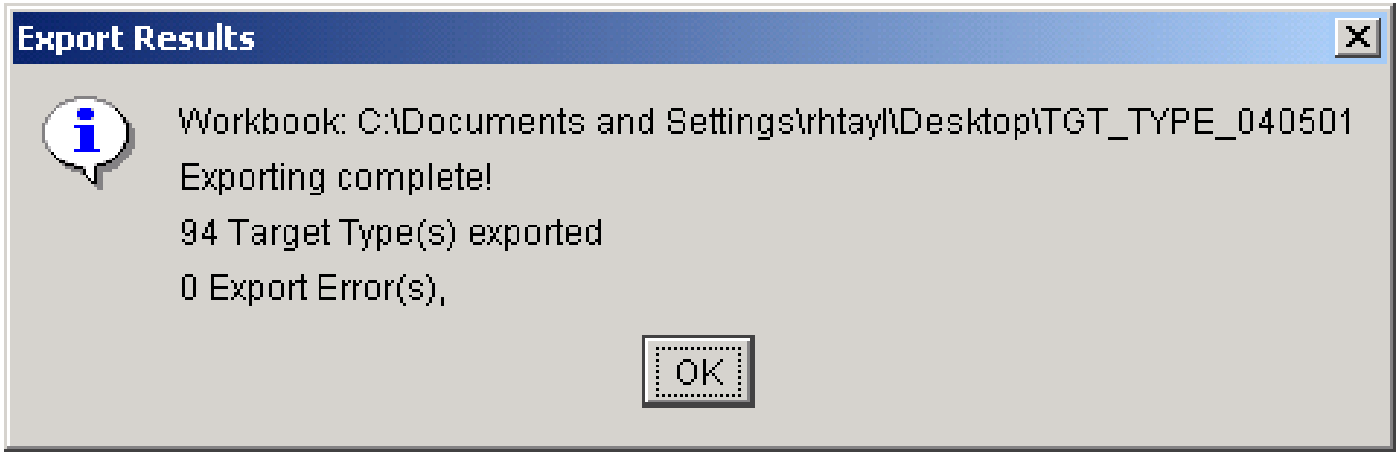
Select Destination



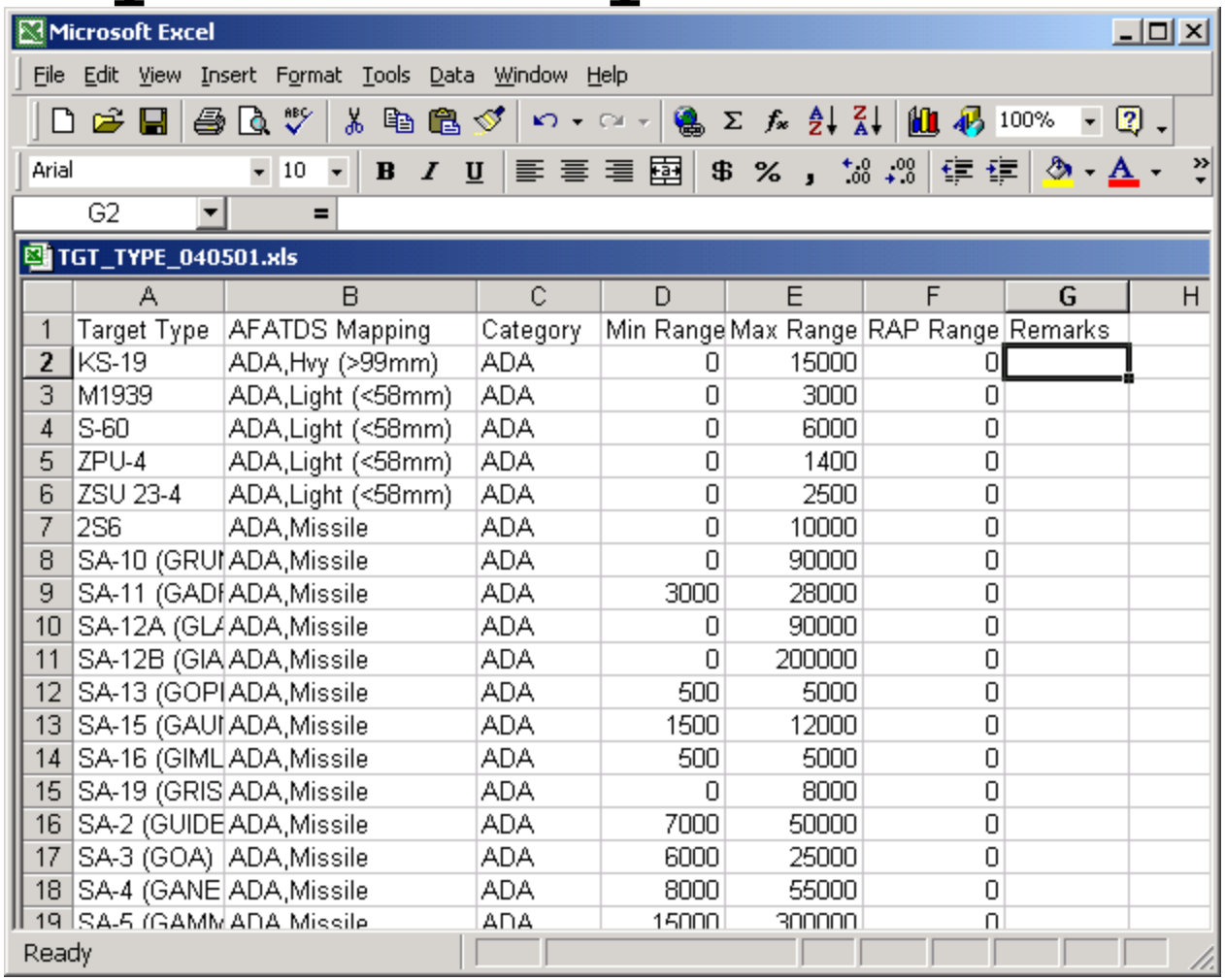
Browse to the Desktop

Name the file and click **Export**

Results


Export Results
Workbook: C:\Documents and Settings\rhtayl\Desktop\TGT_TYPE_040501
Exporting complete!
94 Target Type(s) exported
0 Export Error(s),
OK

Exported Spreadsheet



Microsoft Excel

File Edit View Insert Format Tools Data Window Help

Arial 10 100%

G2 =

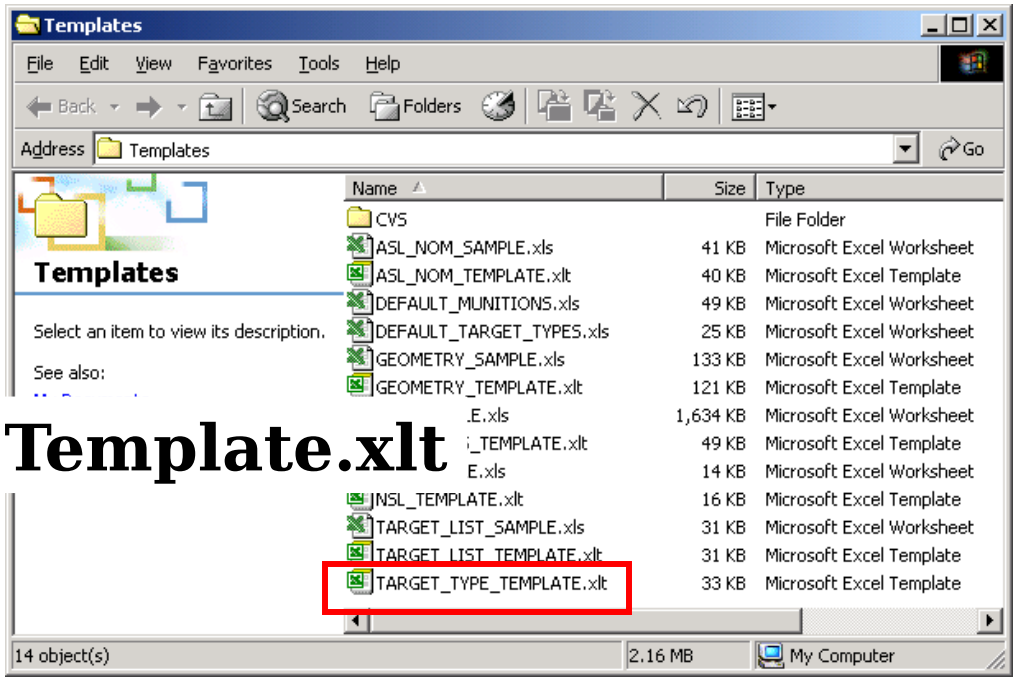
TGT_TYPE_040501.xls

	A	B	C	D	E	F	G	H
1	Target Type	AFATDS Mapping	Category	Min Range	Max Range	RAP Range	Remarks	
2	KS-19	ADA,Hvy (>99mm)	ADA	0	15000	0		
3	M1939	ADA,Light (<58mm)	ADA	0	3000	0		
4	S-60	ADA,Light (<58mm)	ADA	0	6000	0		
5	ZPU-4	ADA,Light (<58mm)	ADA	0	1400	0		
6	ZSU 23-4	ADA,Light (<58mm)	ADA	0	2500	0		
7	2S6	ADA,Missile	ADA	0	10000	0		
8	SA-10 (GRUI	ADA,Missile	ADA	0	90000	0		
9	SA-11 (GADI	ADA,Missile	ADA	3000	28000	0		
10	SA-12A (GL/	ADA,Missile	ADA	0	90000	0		
11	SA-12B (GIA	ADA,Missile	ADA	0	200000	0		
12	SA-13 (GOPI	ADA,Missile	ADA	500	5000	0		
13	SA-15 (GAUI	ADA,Missile	ADA	1500	12000	0		
14	SA-16 (GIML	ADA,Missile	ADA	500	5000	0		
15	SA-19 (GRIS	ADA,Missile	ADA	0	8000	0		
16	SA-2 (GUIDE	ADA,Missile	ADA	7000	50000	0		
17	SA-3 (GOA)	ADA,Missile	ADA	6000	25000	0		
18	SA-4 (GANE	ADA,Missile	ADA	8000	55000	0		
19	SA-5 (GAMM	ADA,Missile	ADA	15000	300000	0		

Ready

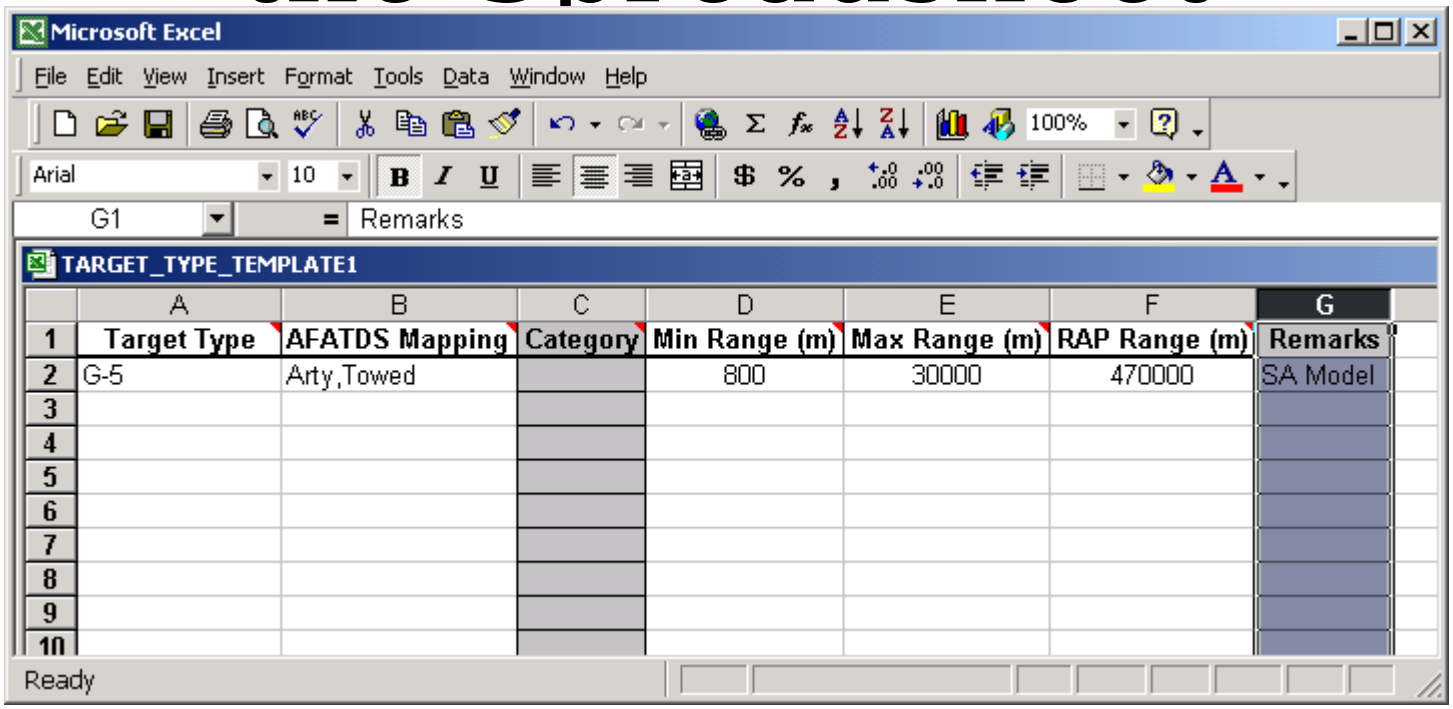
Import a Target Type Worksheet

- Click **Start, Programs, EMT, Documentation, Templates and Examples**


Templates
File Edit View Favorites Tools Help
Back Search Folders
Address Templates
Go
Templates
Select an item to view its description.
See also:
Name Size Type
CVS File Folder
ASL_NOM_SAMPLE.xls 41 KB Microsoft Excel Worksheet
ASL_NOM_TEMPLATE.xlt 40 KB Microsoft Excel Template
DEFAULT_MUNITIONS.xls 49 KB Microsoft Excel Worksheet
DEFAULT_TARGET_TYPES.xls 25 KB Microsoft Excel Worksheet
GEOMETRY_SAMPLE.xls 133 KB Microsoft Excel Worksheet
GEOMETRY_TEMPLATE.xlt 121 KB Microsoft Excel Template
.E.xls 1,634 KB Microsoft Excel Worksheet
_TEMPLATE.xlt 49 KB Microsoft Excel Template
E.xls 14 KB Microsoft Excel Worksheet
NSL_TEMPLATE.xlt 16 KB Microsoft Excel Template
TARGET_LIST_SAMPLE.xls 31 KB Microsoft Excel Worksheet
TARGET_LIST_TEMPLATE.xlt 31 KB Microsoft Excel Template
TARGET_TYPE_TEMPLATE.xlt 33 KB Microsoft Excel Template
14 object(s)
2.16 MB
My Computer

Select **Target Type Template.xlt**

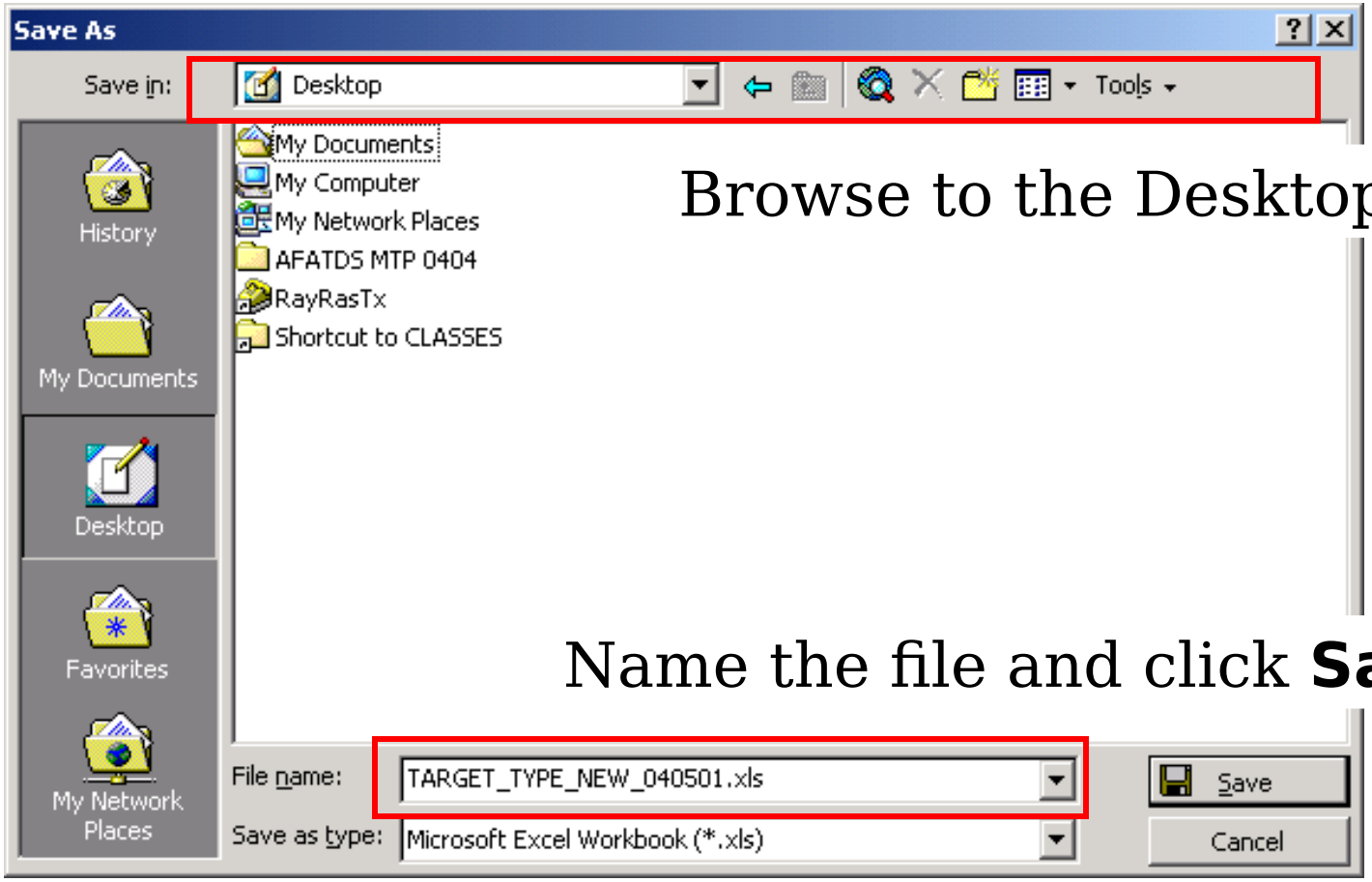
Create a Target Type in the Spreadsheet



	A	B	C	D	E	F	G
1	Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
2	G-5	Arty,Towed		800	30000	470000	SA Model
3							
4							
5							
6							
7							
8							
9							
10							

Make these entries

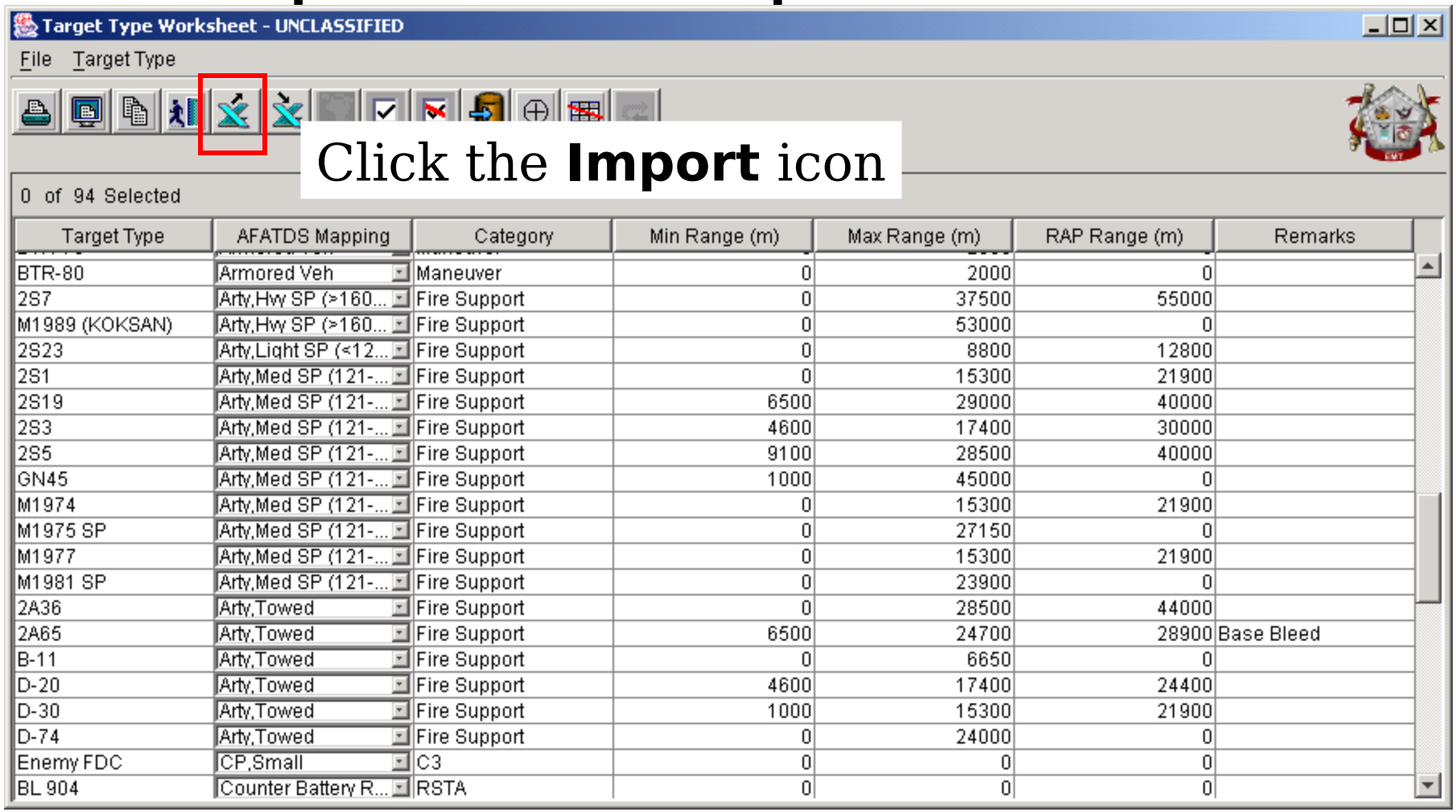
Save the Spreadsheet



Browse to the Desktop

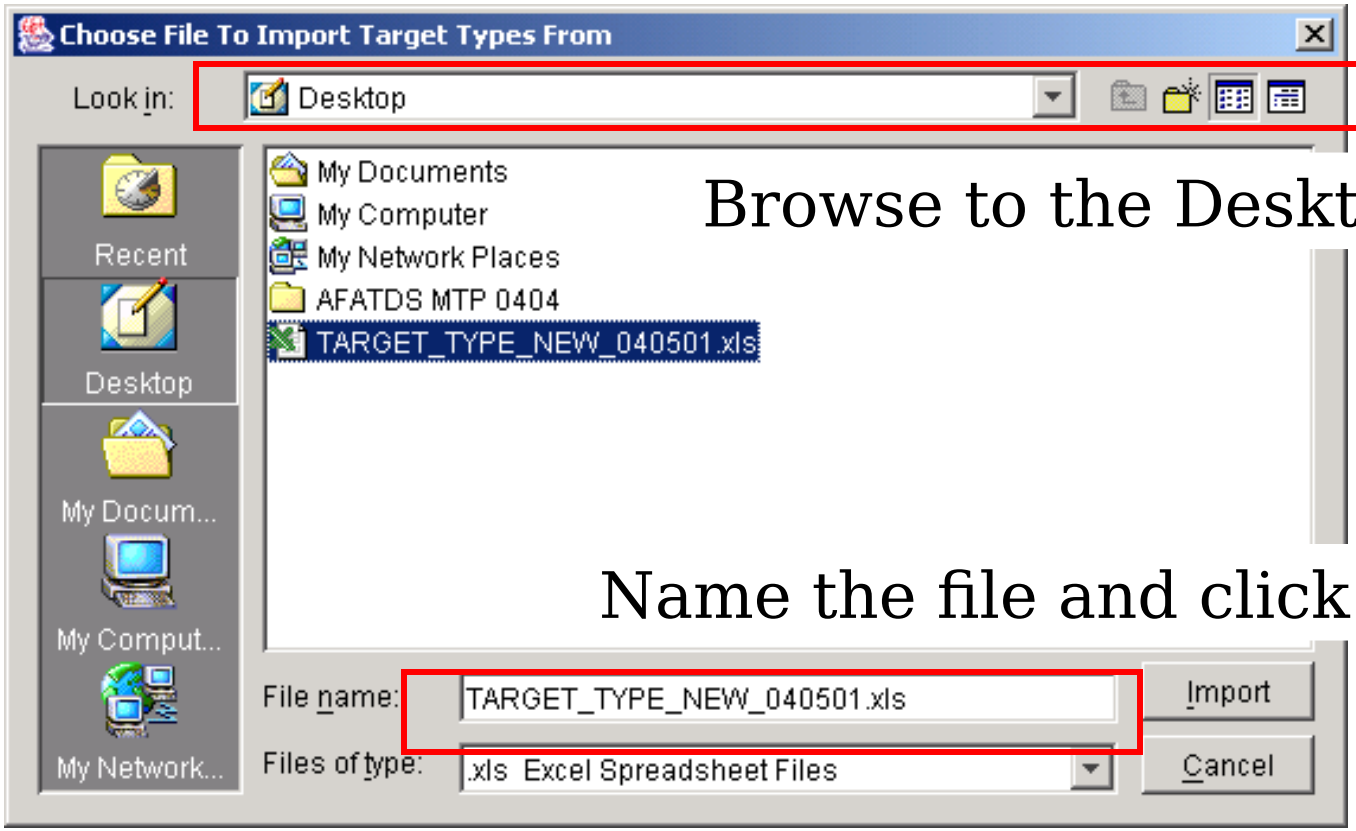
Name the file and click **Save**

Import the Spreadsheet



Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
BTR-80	Armored Veh	Maneuver	0	2000	0	
2S7	Arty,Hvy SP (>160...	Fire Support	0	37500	55000	
M1989 (KOKSAN)	Arty,Hvy SP (>160...	Fire Support	0	53000	0	
2S23	Arty,Light SP (<12...	Fire Support	0	8800	12800	
2S1	Arty,Med SP (121-...	Fire Support	0	15300	21900	
2S19	Arty,Med SP (121-...	Fire Support	6500	29000	40000	
2S3	Arty,Med SP (121-...	Fire Support	4600	17400	30000	
2S5	Arty,Med SP (121-...	Fire Support	9100	28500	40000	
GN45	Arty,Med SP (121-...	Fire Support	1000	45000	0	
M1974	Arty,Med SP (121-...	Fire Support	0	15300	21900	
M1975 SP	Arty,Med SP (121-...	Fire Support	0	27150	0	
M1977	Arty,Med SP (121-...	Fire Support	0	15300	21900	
M1981 SP	Arty,Med SP (121-...	Fire Support	0	23900	0	
2A36	Arty,Towed	Fire Support	0	28500	44000	
2A65	Arty,Towed	Fire Support	6500	24700	28900	Base Bleed
B-11	Arty,Towed	Fire Support	0	6650	0	
D-20	Arty,Towed	Fire Support	4600	17400	24400	
D-30	Arty,Towed	Fire Support	1000	15300	21900	
D-74	Arty,Towed	Fire Support	0	24000	0	
Enemy FDC	CP,Small	C3	0	0	0	
BL 904	Counter Battery R...	RSTA	0	0	0	

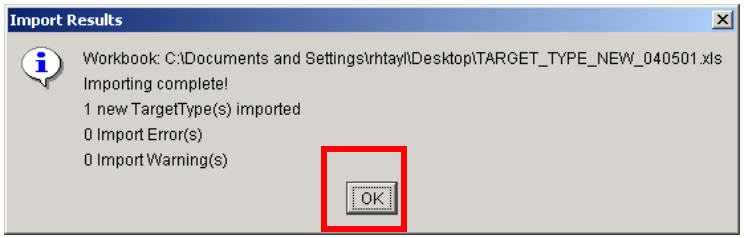
Select the Source



Browse to the Desktop

Name the file and click **Import**

Results



Target Type Worksheet - UNCLASSIFIED

File Target Type

0 of 95 Selected

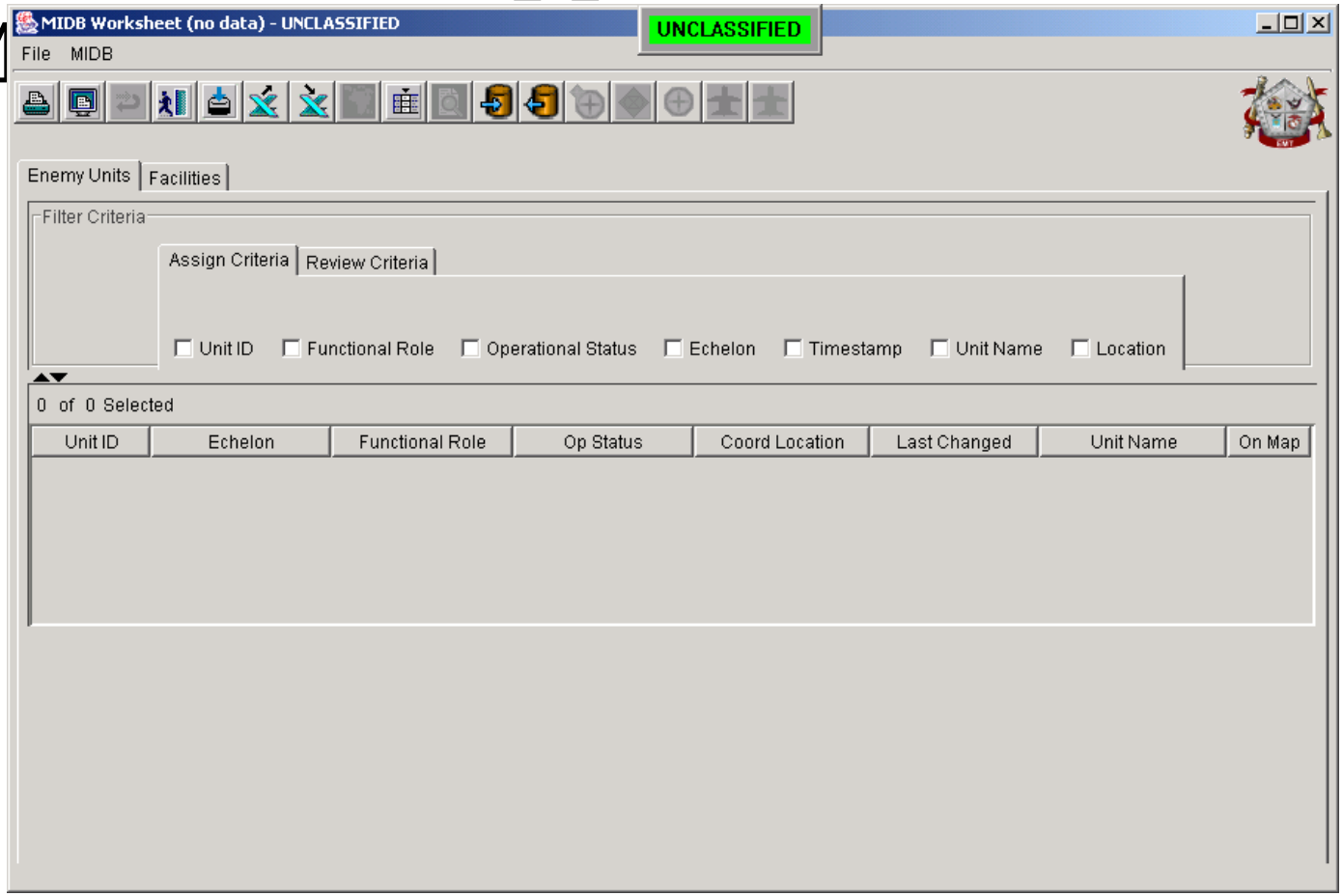
Target Type	AFATDS Mapping	Category	Min Range (m)	Max Range (m)	RAP Range (m)	Remarks
M1989 (KOKSAN)	Arty,Hwy SP (>160...	Fire Support	0	53000	0	
2S23	Arty,Light SP (<12...	Fire Support	0	8800	12800	
2S1	Arty,Med SP (121-...	Fire Support	0	15300	21900	
2S19	Arty,Med SP (121-...	Fire Support	6500	29000	40000	
2S3	Arty,Med SP (121-...	Fire Support	4600	17400	30000	
2S5	Arty,Med SP (121-...	Fire Support	9100	28500	40000	
M1974	Arty,Med SP (121-...	Fire Support	0	15300	21900	
M1975 SP	Arty,Med SP (121-...	Fire Support	0	27150	0	
M1977	Arty,Med SP (121-...	Fire Support	0	15300	21900	
M1981 SP	Arty,Med SP (121-...	Fire Support	0	23900	0	
GN45	Arty,Med SP (121-...	Fire Support	1000	45000	0	
2A36	Arty,Towed	Fire Support	0	28500	44000	
2A65	Arty,Towed	Fire Support	6500	24700	28900	Base Bleed
B-11	Arty,Towed	Fire Support	0	6650	0	
D-20	Arty,Towed	Fire Support	4600	17400	24400	
D-30	Arty,Towed	Fire Support	1000	15300	21900	
D-74	Arty,Towed	Fire Support	0	24000	0	
G-5	Arty,Towed	Fire Support	800	30000	470000	SA Model
Enemy FDC	CP,Small	C3	0	0	0	
BL 904	Counter Battery R...	RSTA	0	0	0	

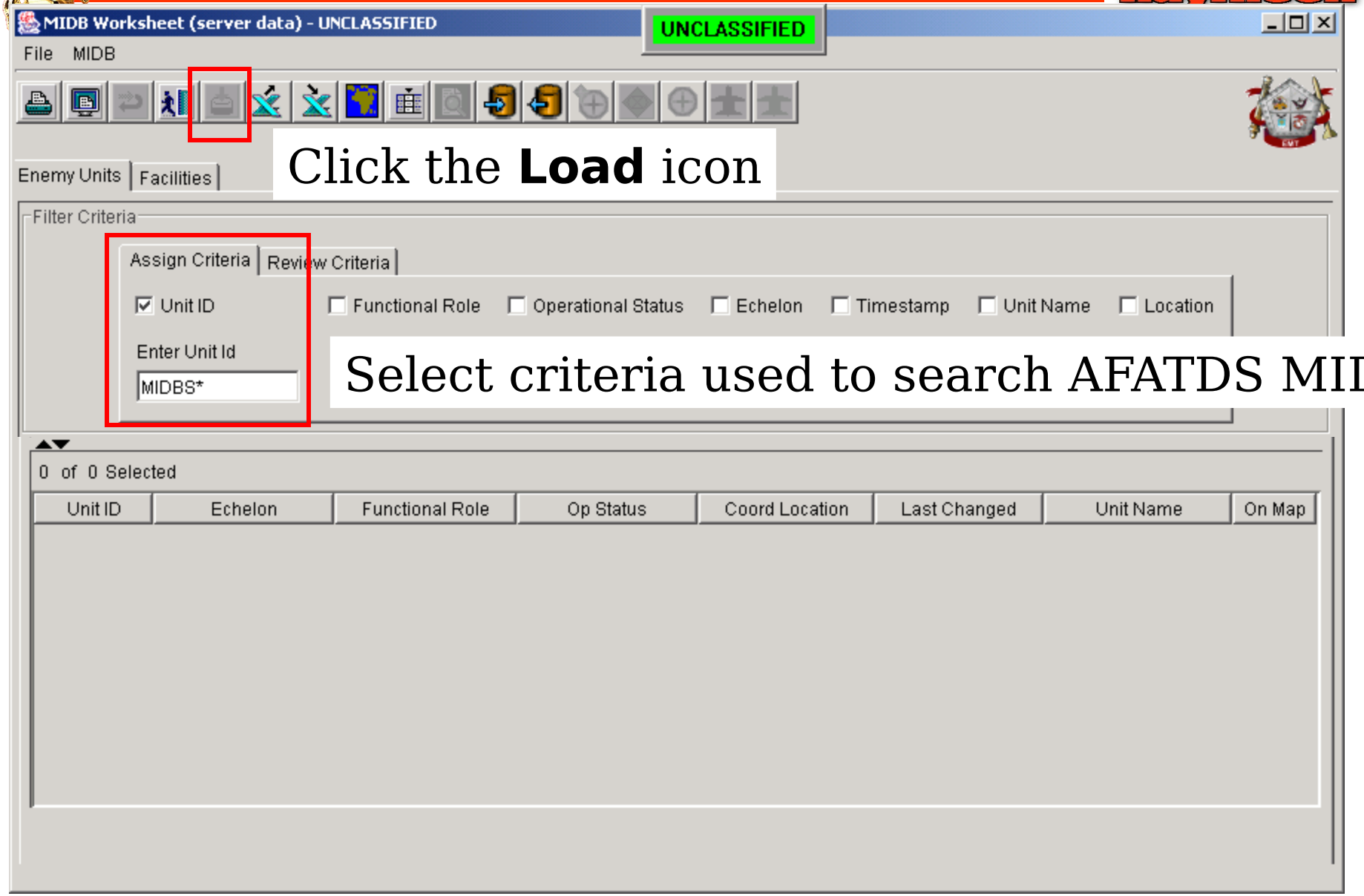
Importing complete! Imported 1 target type(s).

Use MIDB Data

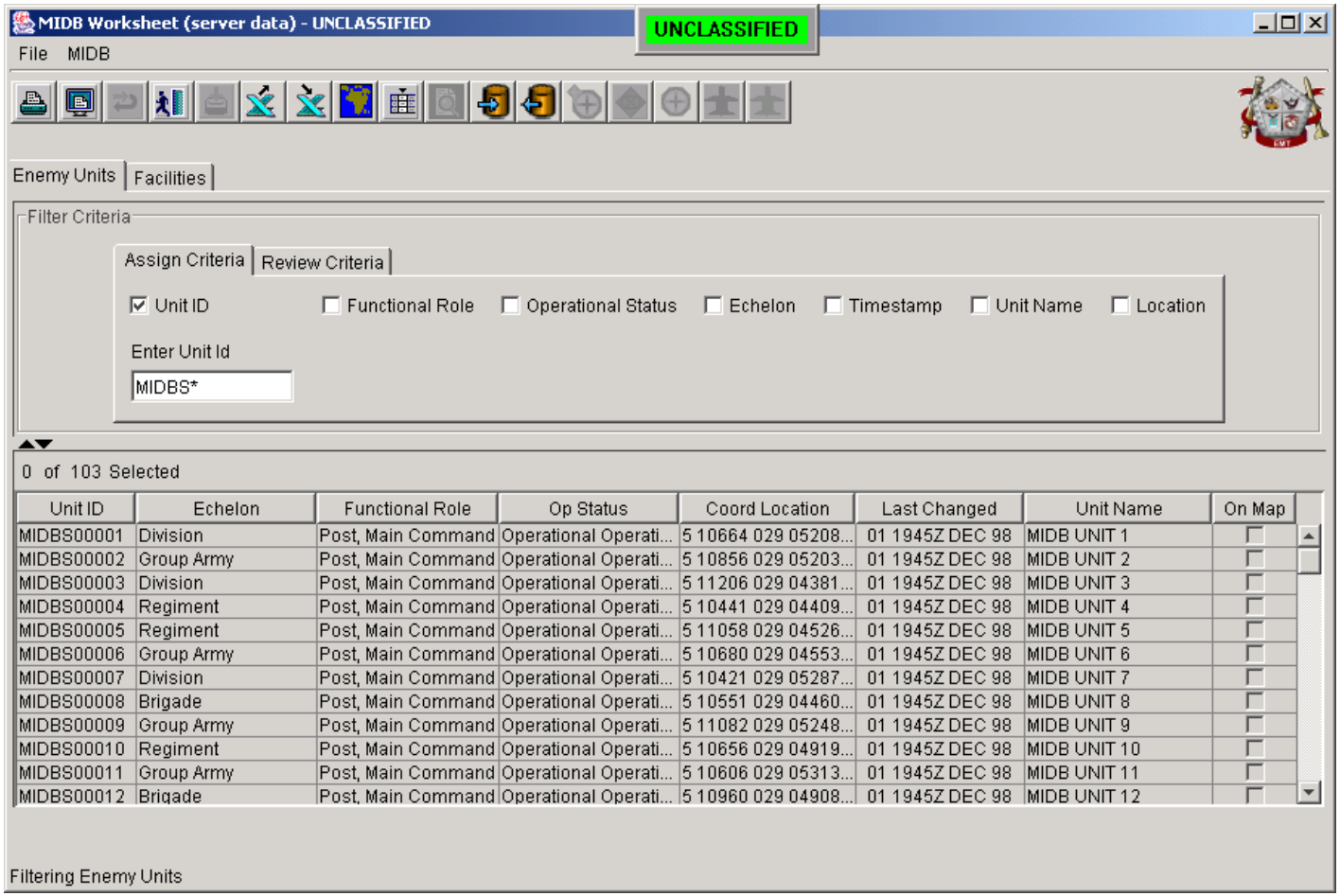
Display the MIDB Worksheet

- Click **Fire Support, Worksheets, M**

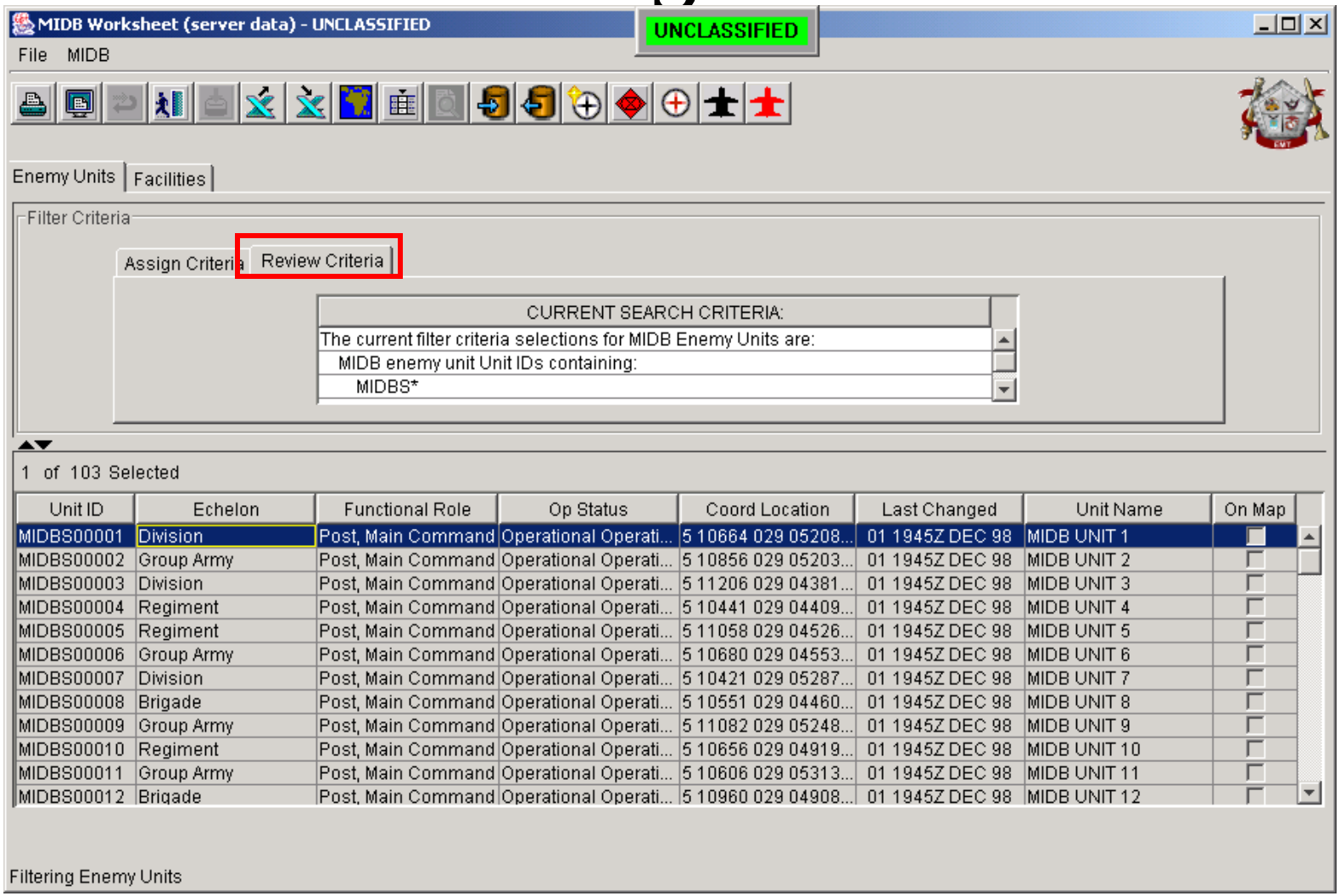



MIDB Worksheet (server data) - UNCLASSIFIED
UNCLASSIFIED
File MIDB
Click the **Load** icon
Enemy Units
Facilities
Filter Criteria
Assign Criteria
Review Criteria
Unit ID
Functional Role
Operational Status
Echelon
Timestamp
Unit Name
Location
Enter Unit Id
MIDBS*
Select criteria used to search AFATDS MID
0 of 0 Selected
Unit ID
Echelon
Functional Role
Op Status
Coord Location
Last Changed
Unit Name
On Map

MIDB Data is Retrieved from AFATDS

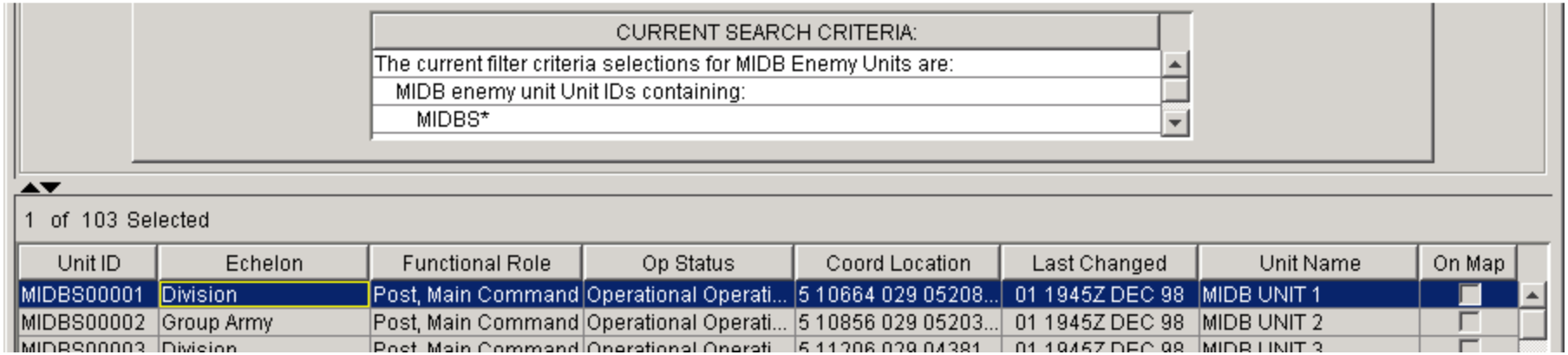

MIDB Worksheet (server data) - UNCLASSIFIED
UNCLASSIFIED
File MIDB
Enemy Units
Facilities
Filter Criteria
Assign Criteria
Review Criteria
Unit ID
Functional Role
Operational Status
Echelon
Timestamp
Unit Name
Location
Enter Unit Id
MIDBS*
0 of 103 Selected
Unit ID | Echelon | Functional Role | Op Status | Coord Location | Last Changed | Unit Name | On Map
MIDBS00001 | Division | Post, Main Command | Operational Operati... | 5 10664 029 05208... | 01 1945Z DEC 98 | MIDB UNIT 1
MIDBS00002 | Group Army | Post, Main Command | Operational Operati... | 5 10856 029 05203... | 01 1945Z DEC 98 | MIDB UNIT 2
MIDBS00003 | Division | Post, Main Command | Operational Operati... | 5 11206 029 04381... | 01 1945Z DEC 98 | MIDB UNIT 3
MIDBS00004 | Regiment | Post, Main Command | Operational Operati... | 5 10441 029 04409... | 01 1945Z DEC 98 | MIDB UNIT 4
MIDBS00005 | Regiment | Post, Main Command | Operational Operati... | 5 11058 029 04526... | 01 1945Z DEC 98 | MIDB UNIT 5
MIDBS00006 | Group Army | Post, Main Command | Operational Operati... | 5 10680 029 04553... | 01 1945Z DEC 98 | MIDB UNIT 6
MIDBS00007 | Division | Post, Main Command | Operational Operati... | 5 10421 029 05287... | 01 1945Z DEC 98 | MIDB UNIT 7
MIDBS00008 | Brigade | Post, Main Command | Operational Operati... | 5 10551 029 04460... | 01 1945Z DEC 98 | MIDB UNIT 8
MIDBS00009 | Group Army | Post, Main Command | Operational Operati... | 5 11082 029 05248... | 01 1945Z DEC 98 | MIDB UNIT 9
MIDBS00010 | Regiment | Post, Main Command | Operational Operati... | 5 10656 029 04919... | 01 1945Z DEC 98 | MIDB UNIT 10
MIDBS00011 | Group Army | Post, Main Command | Operational Operati... | 5 10606 029 05313... | 01 1945Z DEC 98 | MIDB UNIT 11
MIDBS00012 | Brigade | Post, Main Command | Operational Operati... | 5 10960 029 04908... | 01 1945Z DEC 98 | MIDB UNIT 12
Filtering Enemy Units

Reviewing Criteria


MIDB Worksheet (server data) - UNCLASSIFIED
UNCLASSIFIED
File MIDB
Enemy Units
Facilities
Filter Criteria
Assign Criteria
Review Criteria
CURRENT SEARCH CRITERIA:
The current filter criteria selections for MIDB Enemy Units are:
MIDB enemy unit Unit IDs containing:
MIDBS*
1 of 103 Selected
Unit ID | Echelon | Functional Role | Op Status | Coord Location | Last Changed | Unit Name | On Map
MIDBS00001 | Division | Post, Main Command | Operational Operati... | 5 10664 029 05208... | 01 1945Z DEC 98 | MIDB UNIT 1
MIDBS00002 | Group Army | Post, Main Command | Operational Operati... | 5 10856 029 05203... | 01 1945Z DEC 98 | MIDB UNIT 2
MIDBS00003 | Division | Post, Main Command | Operational Operati... | 5 11206 029 04381... | 01 1945Z DEC 98 | MIDB UNIT 3
MIDBS00004 | Regiment | Post, Main Command | Operational Operati... | 5 10441 029 04409... | 01 1945Z DEC 98 | MIDB UNIT 4
MIDBS00005 | Regiment | Post, Main Command | Operational Operati... | 5 11058 029 04526... | 01 1945Z DEC 98 | MIDB UNIT 5
MIDBS00006 | Group Army | Post, Main Command | Operational Operati... | 5 10680 029 04553... | 01 1945Z DEC 98 | MIDB UNIT 6
MIDBS00007 | Division | Post, Main Command | Operational Operati... | 5 10421 029 05287... | 01 1945Z DEC 98 | MIDB UNIT 7
MIDBS00008 | Brigade | Post, Main Command | Operational Operati... | 5 10551 029 04460... | 01 1945Z DEC 98 | MIDB UNIT 8
MIDBS00009 | Group Army | Post, Main Command | Operational Operati... | 5 11082 029 05248... | 01 1945Z DEC 98 | MIDB UNIT 9
MIDBS00010 | Regiment | Post, Main Command | Operational Operati... | 5 10656 029 04919... | 01 1945Z DEC 98 | MIDB UNIT 10
MIDBS00011 | Group Army | Post, Main Command | Operational Operati... | 5 10606 029 05313... | 01 1945Z DEC 98 | MIDB UNIT 11
MIDBS00012 | Brigade | Post, Main Command | Operational Operati... | 5 10960 029 04908... | 01 1945Z DEC 98 | MIDB UNIT 12
Filtering Enemy Units

Using the MIDB Data

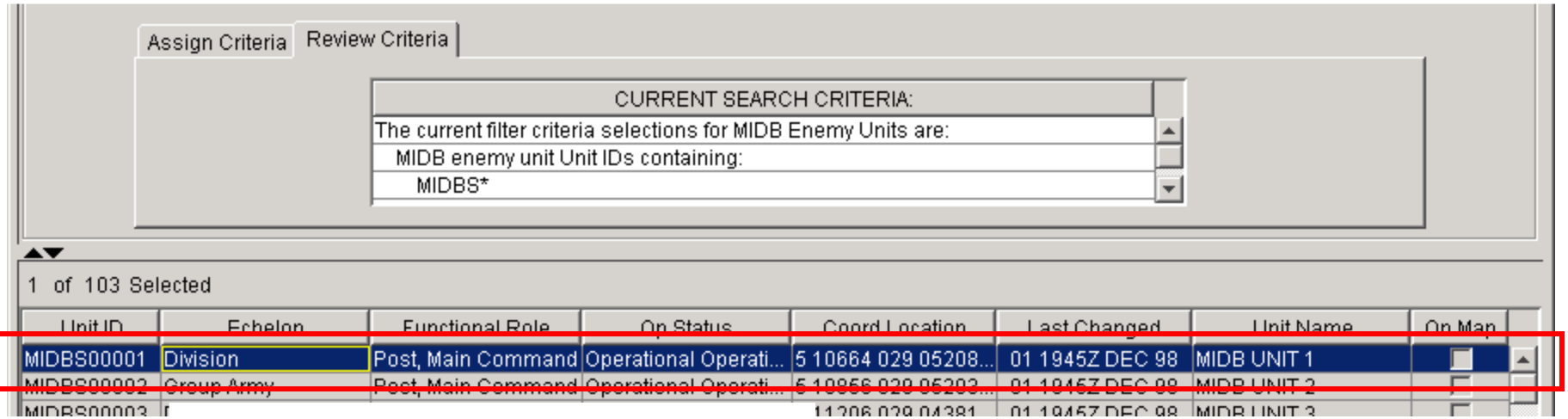
nd MIDB entities to map displays the units on the map an
checks the **On Map** checkboxes


CURRENT SEARCH CRITERIA:
The current filter criteria selections for MIDB Enemy Units are:
MIDB enemy unit Unit IDs containing:
MIDBS*
1 of 103 Selected
Unit ID
Echelon
Functional Role
Op Status
Coord Location
Last Changed
Unit Name
On Map
MIDBS00001 Division Post, Main Command Operational Operati... 5 10664 029 05208... 01 1945Z DEC 98 MIDB UNIT 1
MIDBS00002 Group Army Post, Main Command Operational Operati... 5 10856 029 05203... 01 1945Z DEC 98 MIDB UNIT 2

Create Immediate ASR...
Create Preplanned ASR...
Initiate Fire Mission...
Create Target...
Create Enemy Unit...
Reset Preferences
Change IconSize...
Change Color...
Show/Hide Observation Range Fan
Show/Hide Label
Show/Hide Unit
Center On Map Item
View ...
MIDB UNIT 44
Center Here
Zoom In
Zoom Out
Zoom Box
Center / Width
Last Map
Favorites
Quick Draw
Show Tooltip
Range
Range Bearing
Map Data

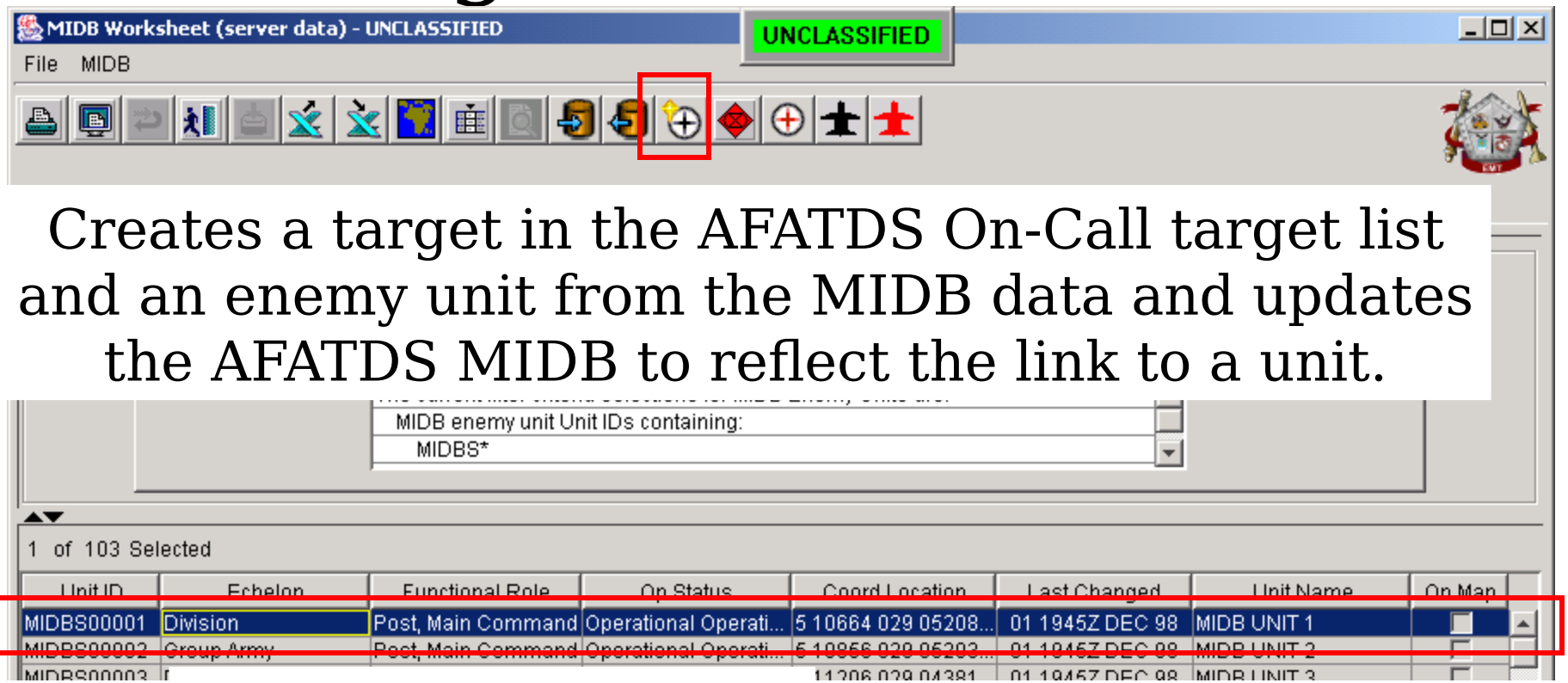
Using the MIDB Data

Saves current filter criteria to a file for use at a later time.



With a unit selected…

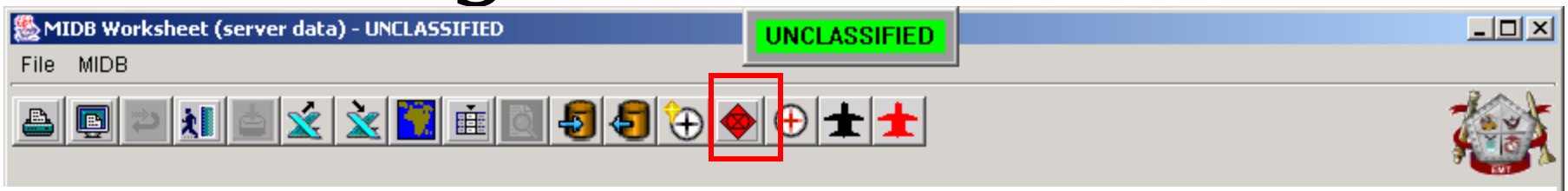
Using the MIDB Data



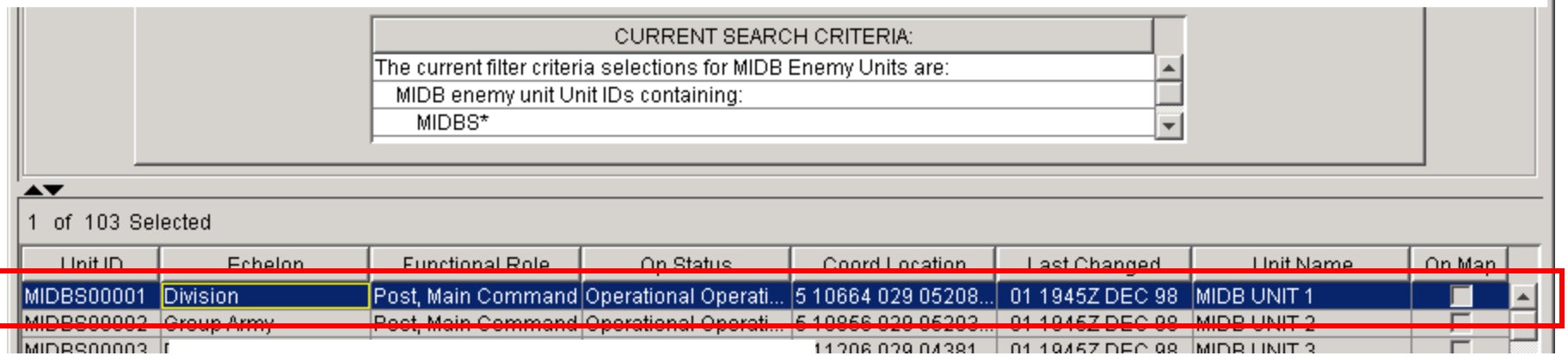
Creates a target in the AFATDS On-Call target list and an enemy unit from the MIDB data and updates the AFATDS MIDB to reflect the link to a unit.

With a unit selected…

Using the MIDB Data

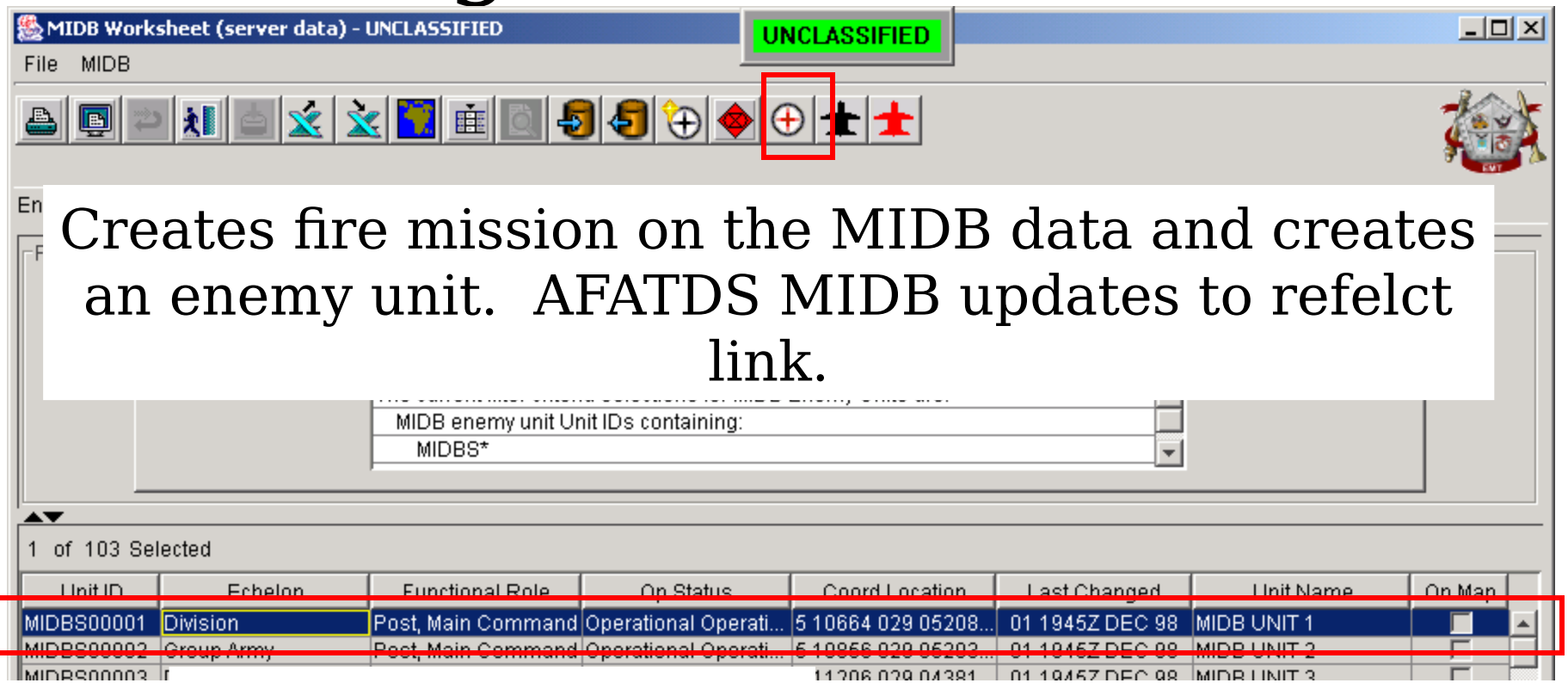


Creates an enemy unit from the MIDB data and updates the AFATDS MIDB to reflect the link to a unit.



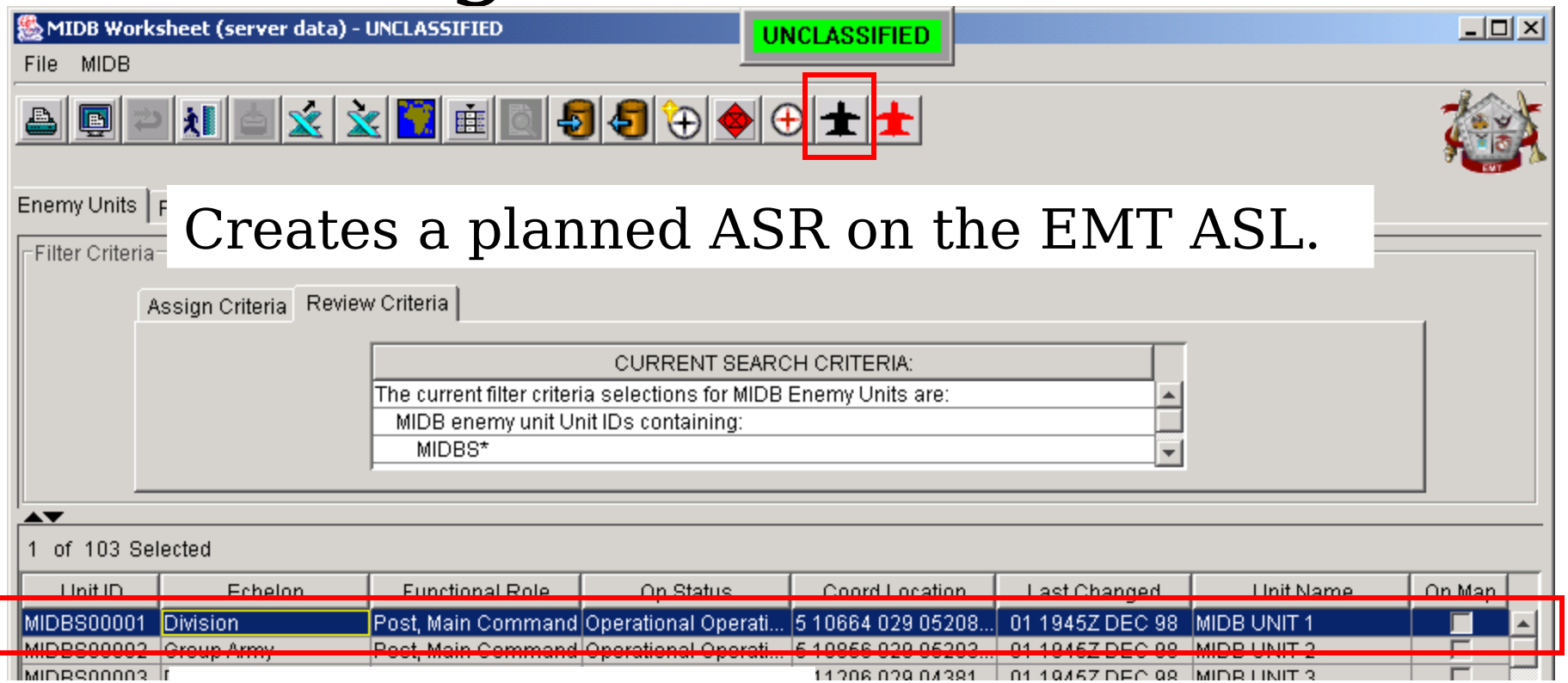
With a unit selected…

Using the MIDB Data



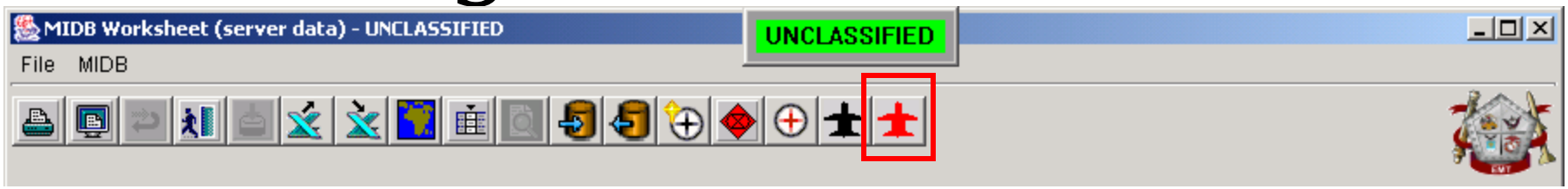
With a unit selected…

Using the MIDB Data

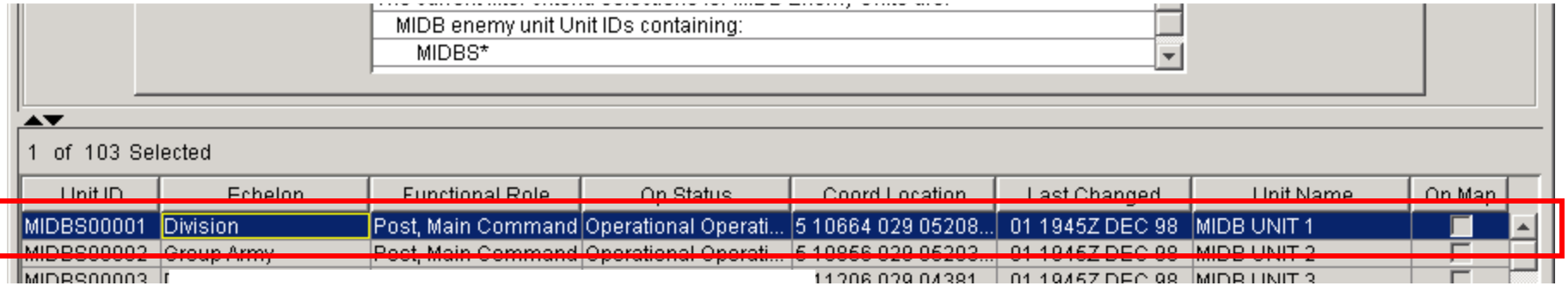


With a unit selected…

Using the MIDB Data

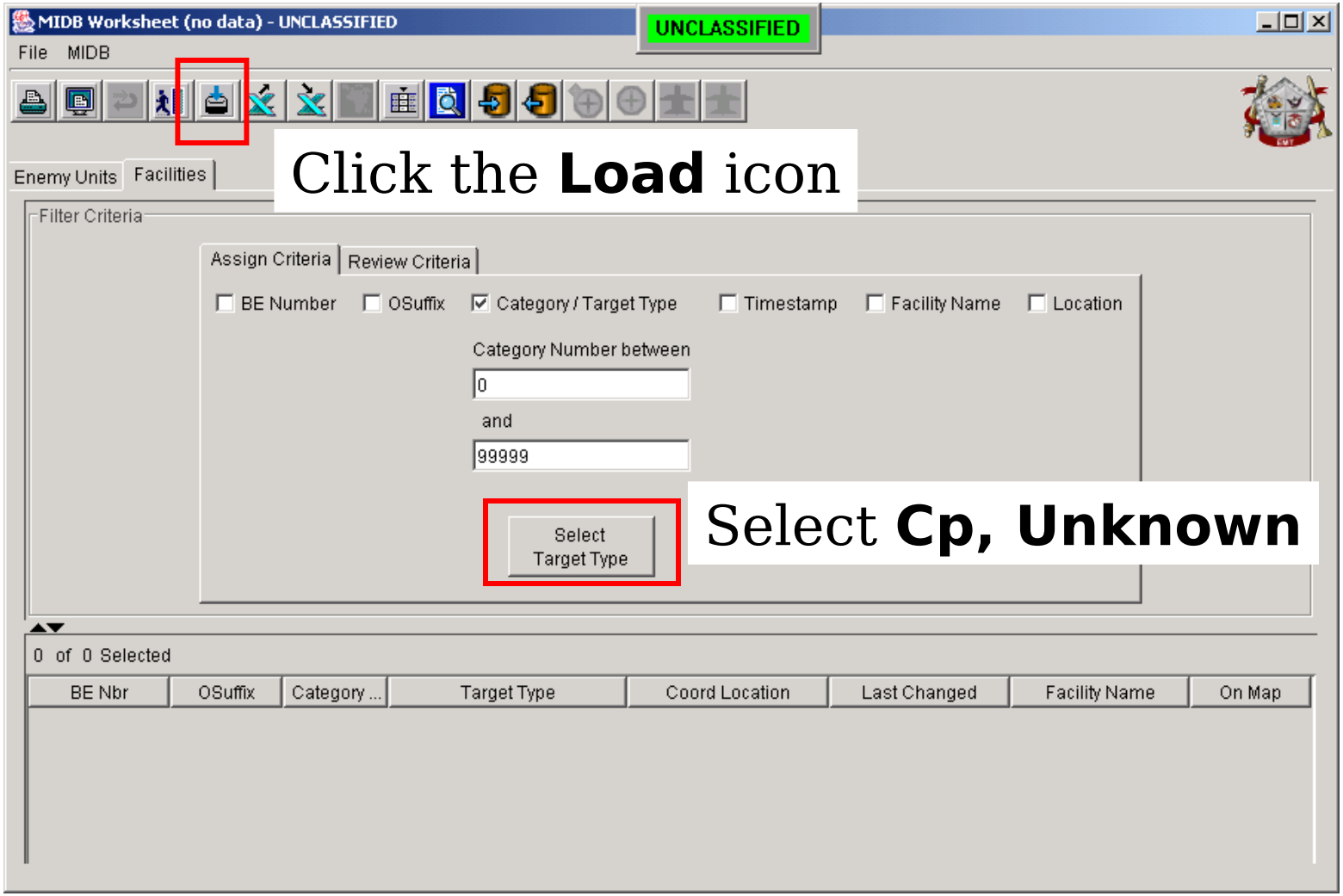


Creates an Initiate Fire Mission window. When sent to AFATDS, creates an enemy unit and updates MIDB to reflect link.



With a unit selected…

MIDB Facilities



Summary

- Create a new target type.
- Use the new target type